

FLEXIBLE CONDUCTIVE SHEET

ABSTRACT

A flexible conductive sheet is disclosed. In an exemplary embodiment of the invention, the flexible sheet includes a polyimide base layer and a metallic layer formed in a grid pattern upon the base layer. Preferably, there are a plurality of metallic layers, formed upon the base layer, with at least one of the plurality of metallic layers formed in the grid pattern. The metallic layers further include an adhesion layer, the adhesion layer further comprising a chromium layer, applied upon the polyimide base layer, and a copper layer, formed upon the chromium layer. Finally, a nickel layer is formed upon the adhesion layer, and a gold layer is formed upon the nickel layer.